

USEPA Update for the NARUC Water Committee



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Drinking Water Utilities Team Leader

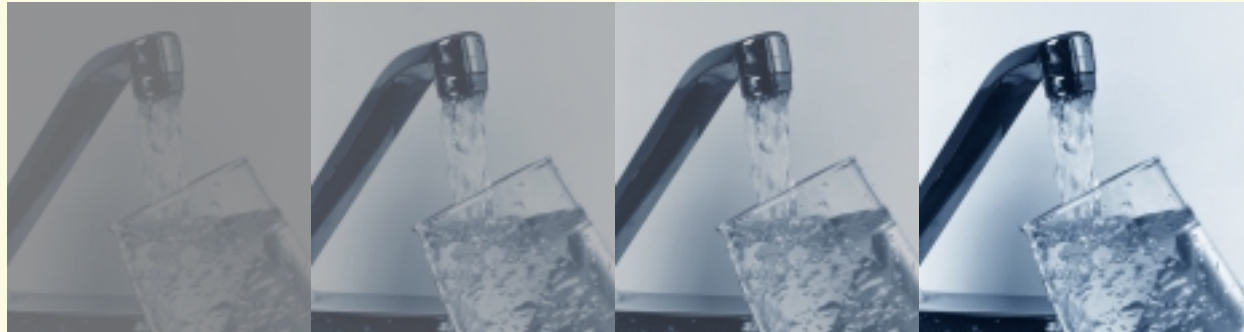
February 26, 2001

Washington, DC

I'll Discuss...

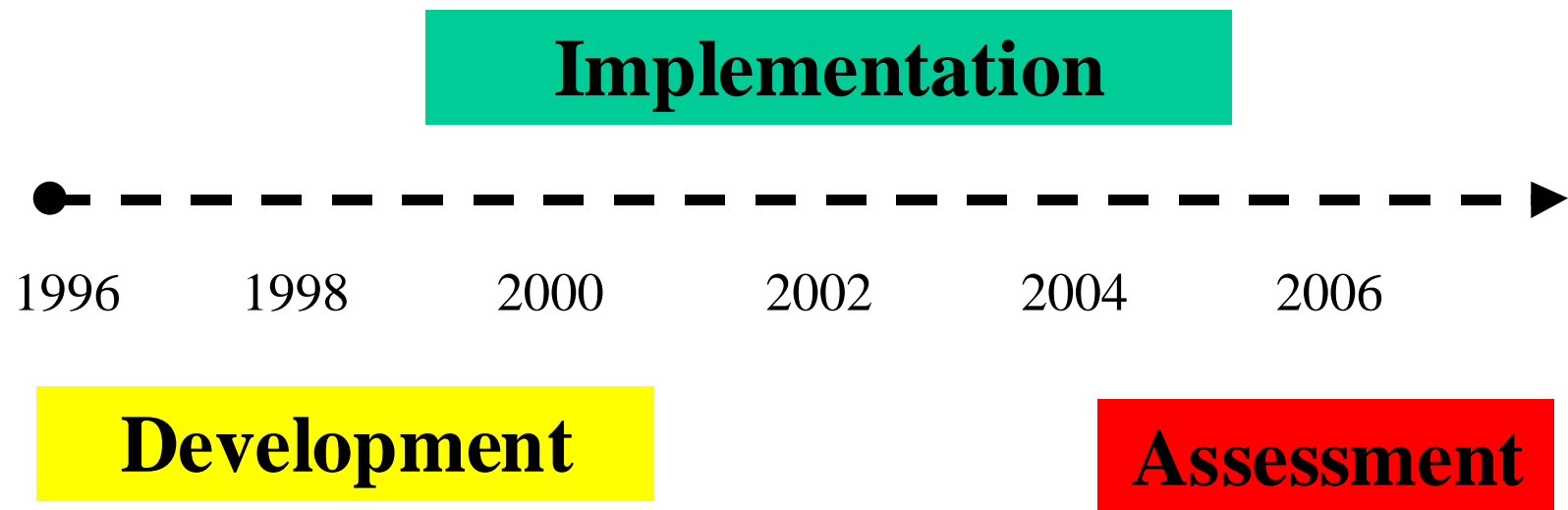
- ✓ **Where we are**
- ✓ **Strategic imperatives**
- ✓ **Emerging State Programs**

A Clear Vision...

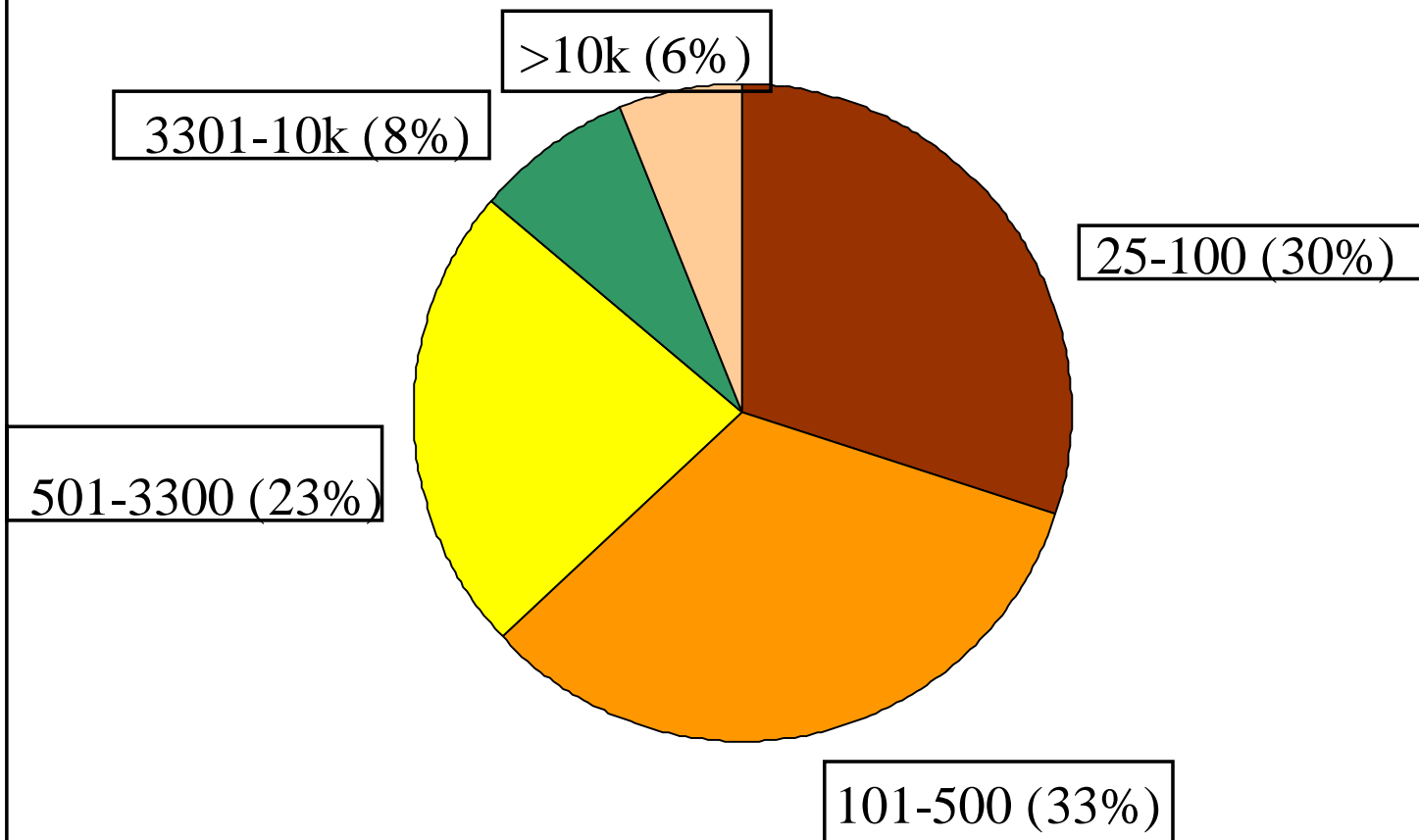


...of Safe Drinking Water

From Vision to Reality...Where Are We?



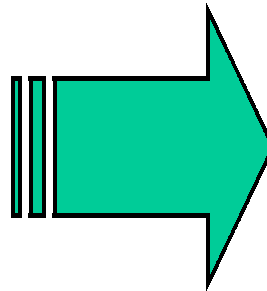
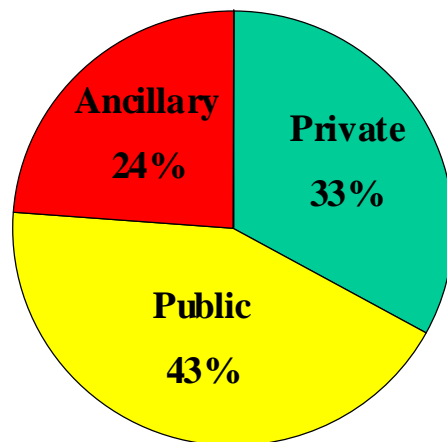
Community Water Systems:
Size Distribution by Population Served



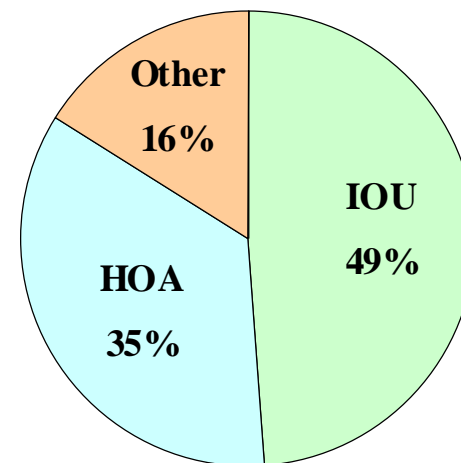
CWS Ownership

Ownership Profile

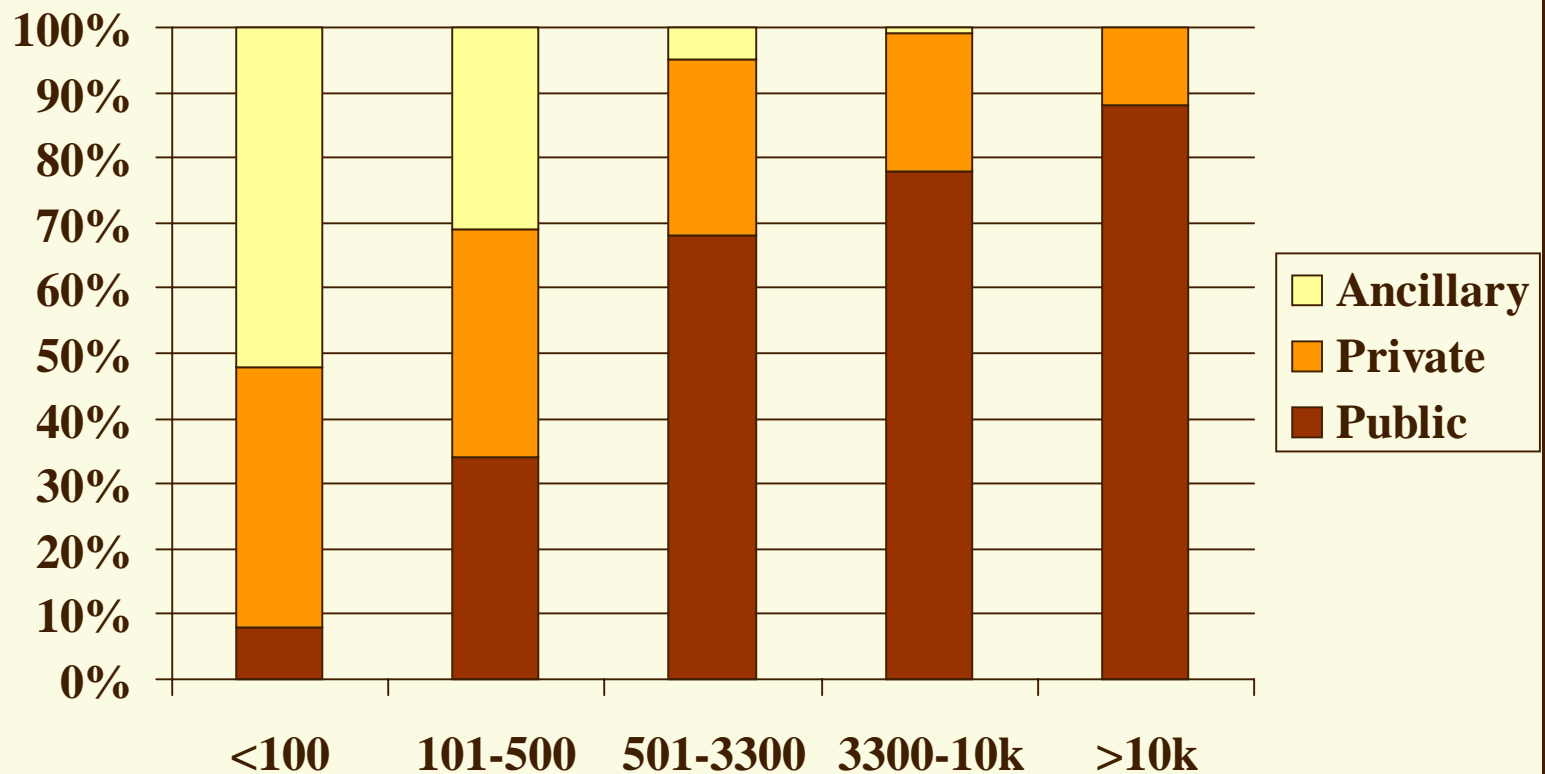
54,000 CWS's



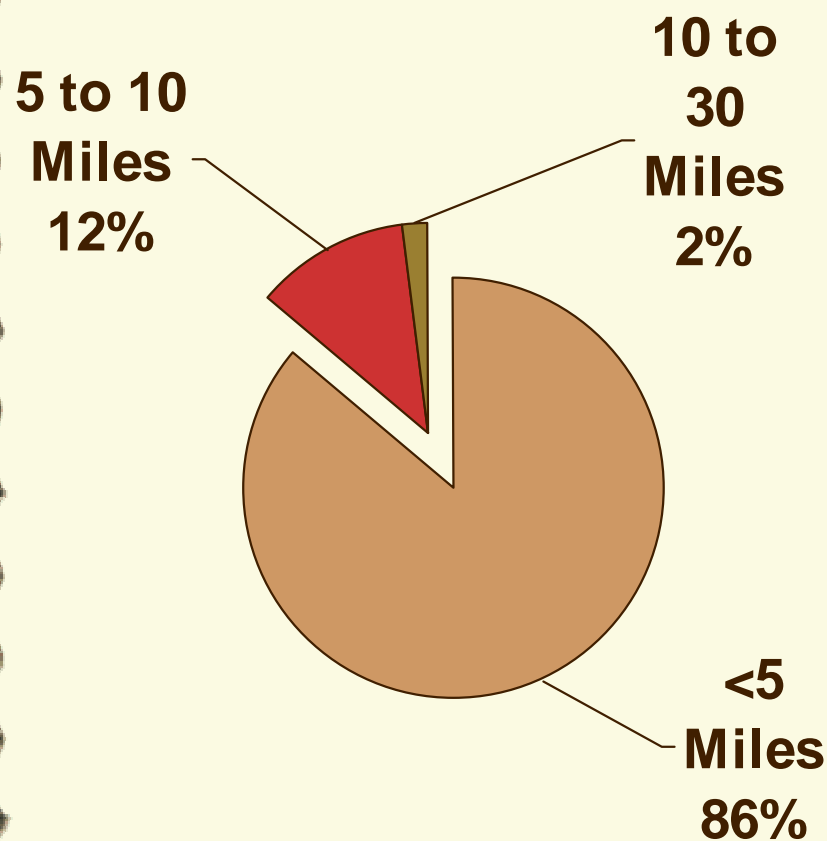
Ownership Profile of Private CWS's



Ownership Profile of Community Water Systems by Population Size Category Served



Distance to the Next Closest CWS



✓ 86% of Small Systems Are within 5 Miles of Another System

✓ 100% of Small Systems Are within 20 Miles of Another System

Weighted Average of 17 States

Drinking Water Industry

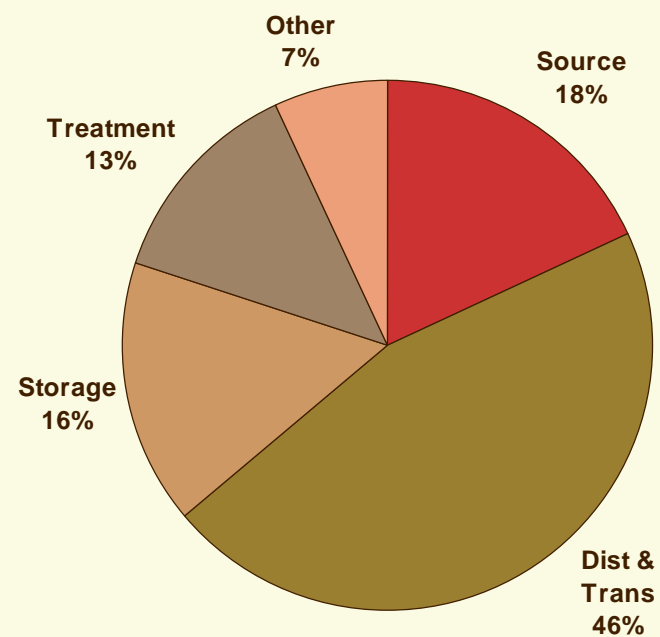
Strategic Imperatives

- ✓ **Infrastructure Repair & Replacement**
- ✓ **Competitive Pressure**
- ✓ **Source Water Protection & Supply**
- ✓ **Public Expectations**
- ✓ **SDWA Compliance**

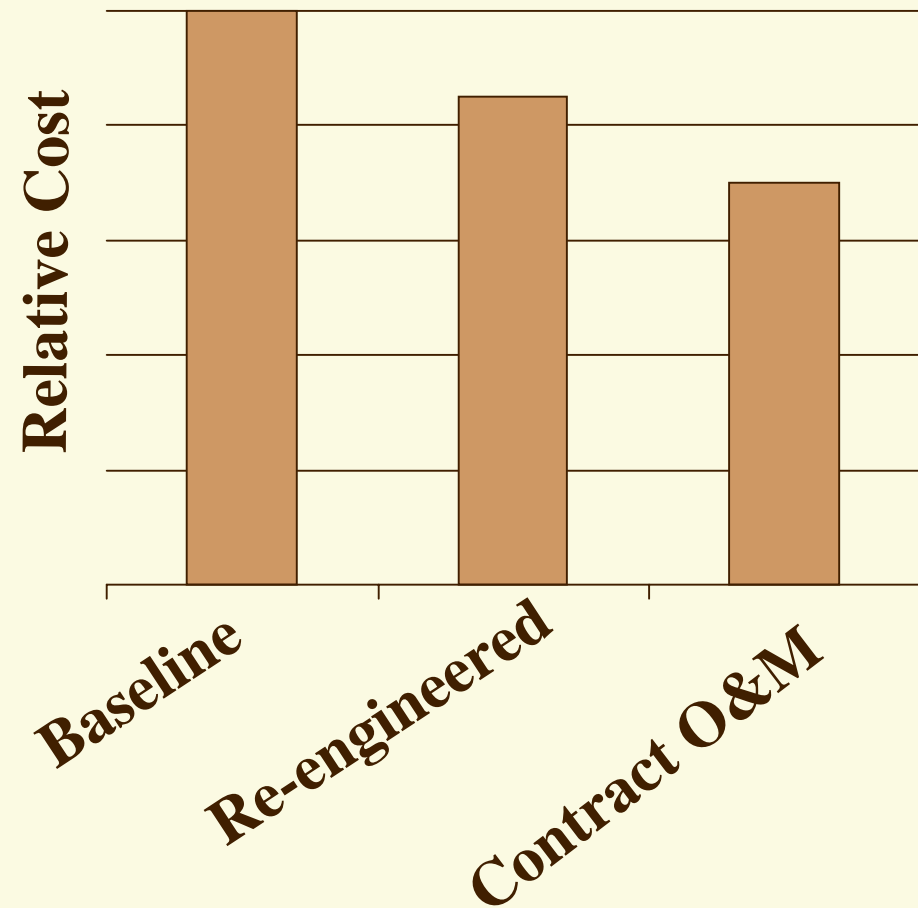
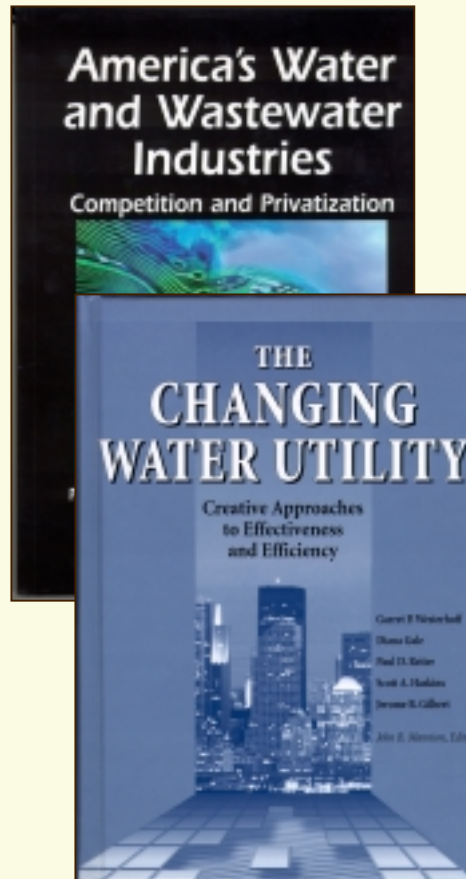
Infrastructure Repair and Replacement



EPA's 1995 Needs Survey



Competitive Pressures



Source Water Protection & Supply

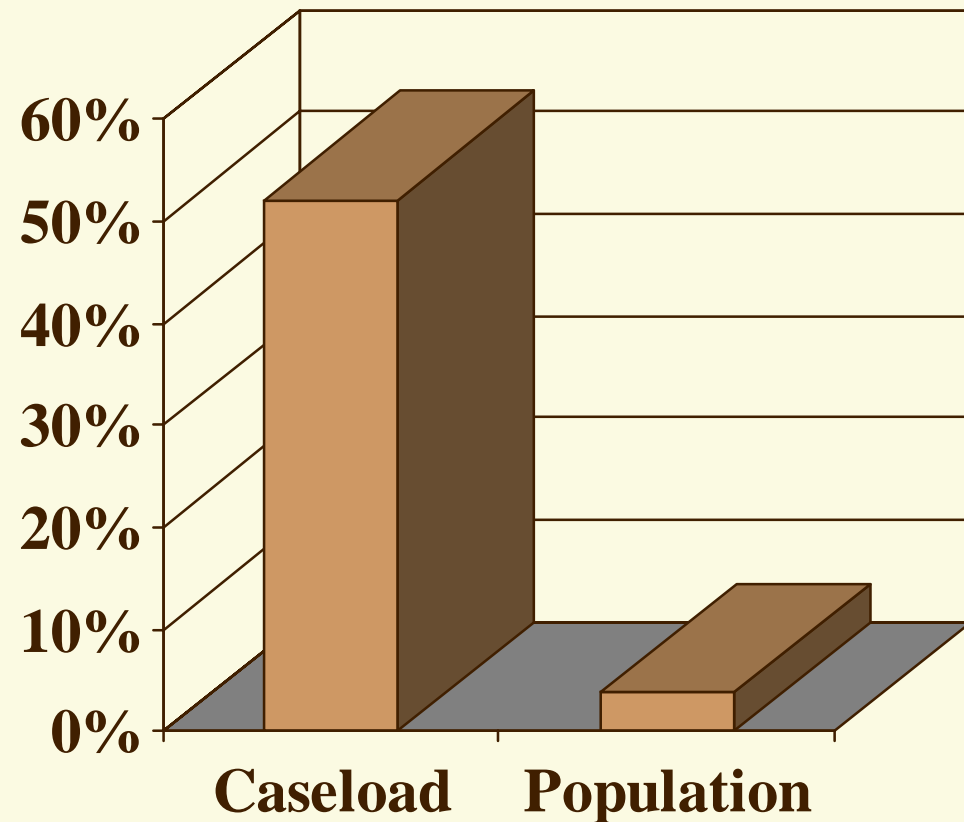


- **High Marginal Cost of New Supply**
- **Pressure to Protect Quality of Existing Supply**
- **Conservation**

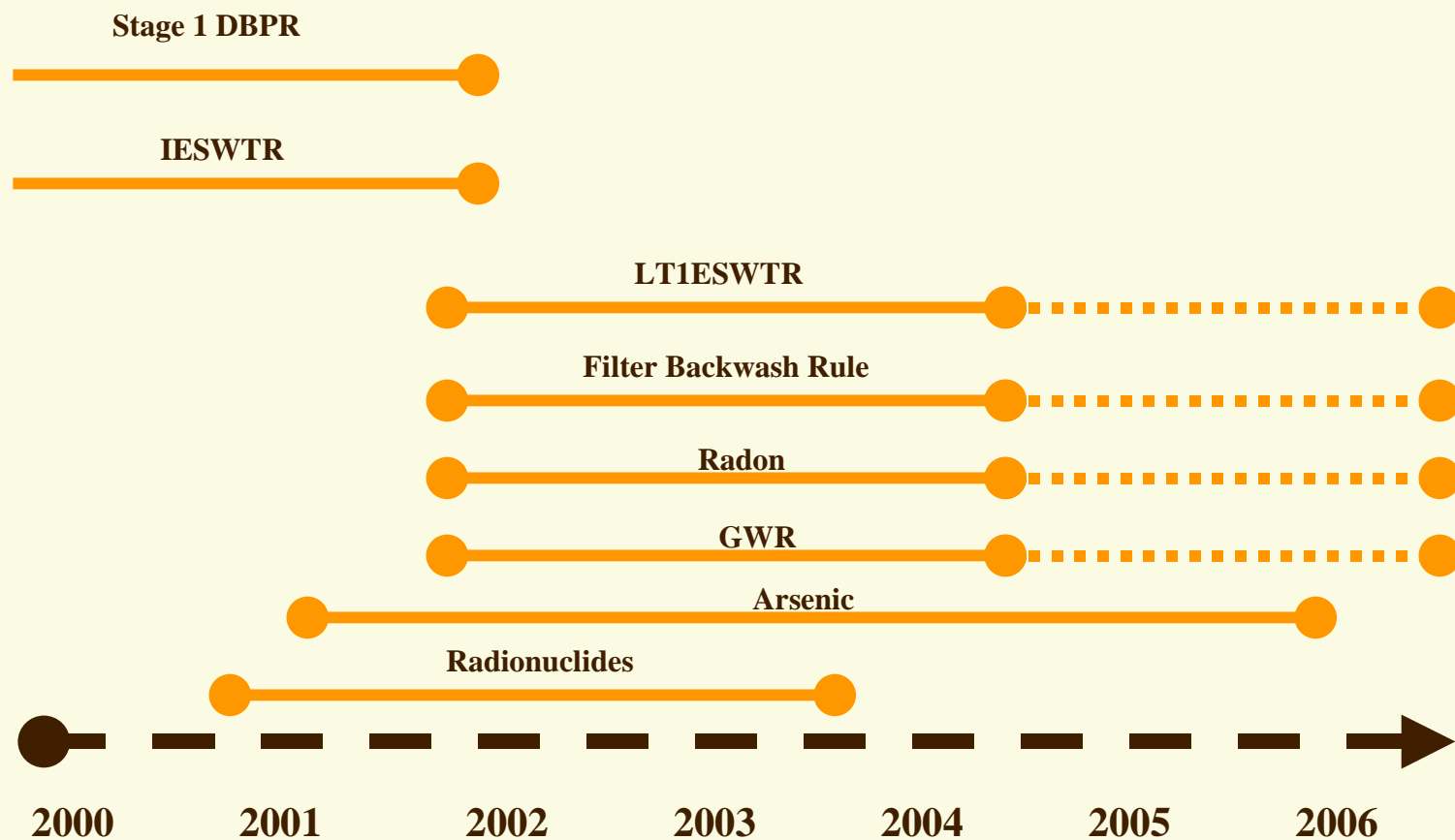
Public Expectations

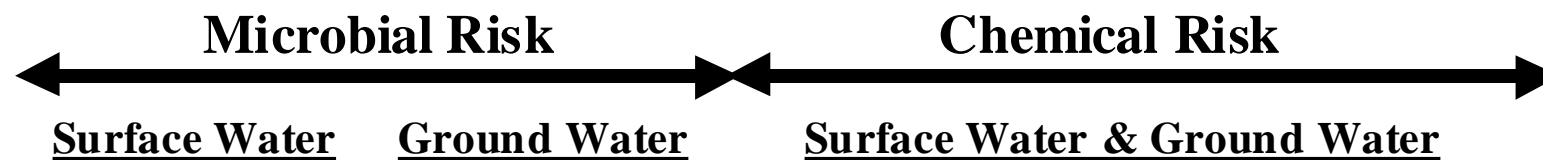


**Growth in Consumer Complaint
Caseloads 1996-1999**



SDWA Compliance





**Long Term 2
Enhanced
Surface Water
Treatment Rule**

**Long Term 1
Enhanced
Surface Water
Treatment Rule**

**Interim
Enhanced
Surface Water
Treatment Rule**

**Surface Water
Treatment Rule**

**Ground Water
Rule**

Total Coliform Rule

**Stage 2 Disinfectants / Disinfection
By-Products Rule**

Revised Arsenic Rule

Radon Rule

Revised Radionuclides Rule

**Stage 1 Disinfectants / Disinfection
By-Products Rule**

Lead and Copper Rule

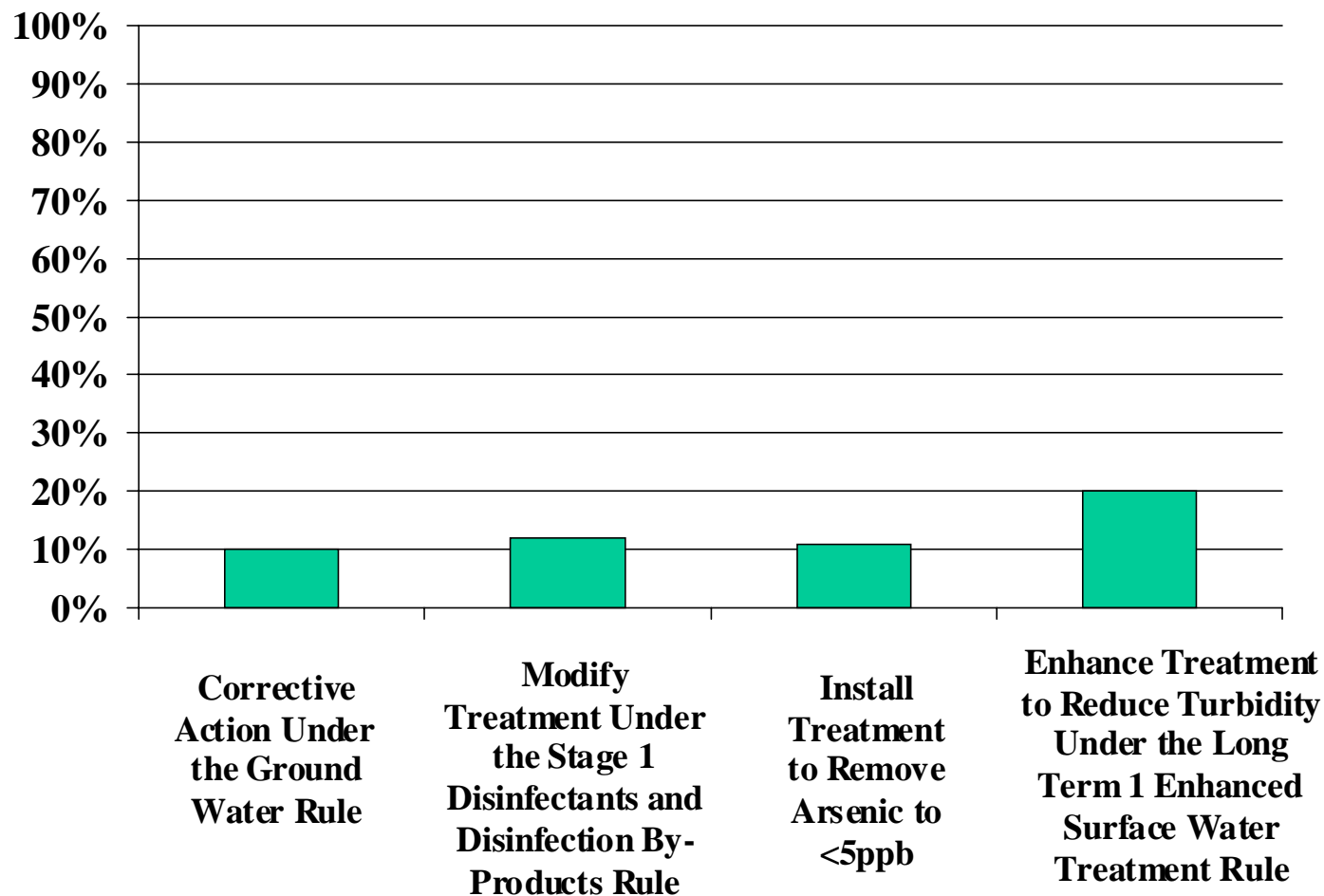
Phase 1/2/5 Rules

Fluoride Rule

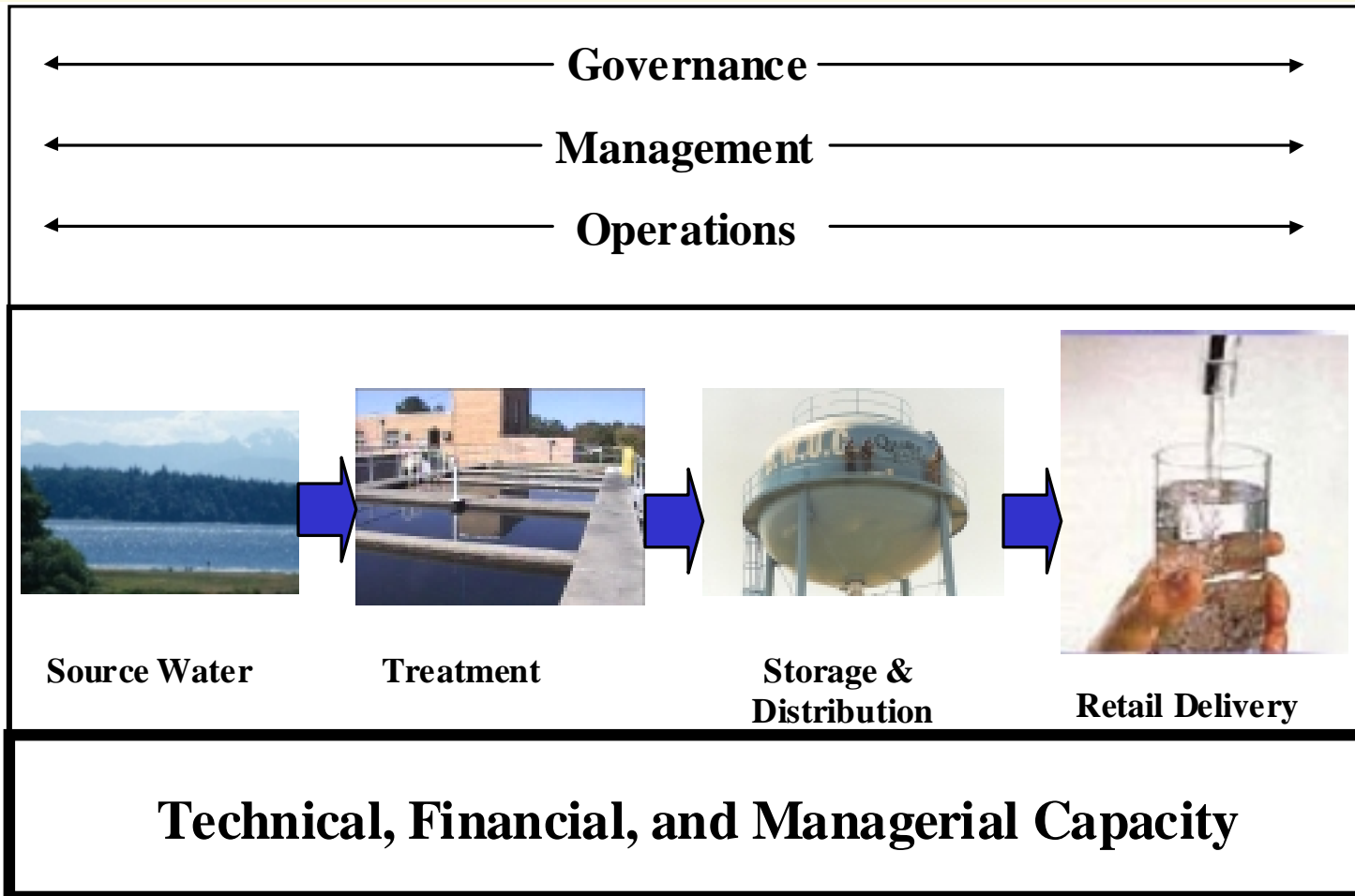
1976 Radionuclides Rule

1975 Arsenic Rule

**Only a Small Percentage of Systems Will Need To
Take Major Action To Comply With New Rules**



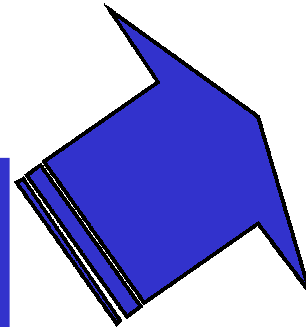
Strategic, Functional Water System Model



***Enhance
Public Health
Protection...***

***Tools for Utilities
Support for States
Foundational Studies
Assistance Centers
Outreach***

***by Assisting Water Systems to
Develop & Maintain the Technical,
Financial, and Managerial Capacity
They Need to Consistently Deliver
Safe and Affordable Drinking Water.***



Capacity Development Strategy Considerations

- ✓ Prioritization Criteria
- ✓ Impairments & Enhancements
- ✓ How to:
 - Assist Systems Comply
 - Encourage Partnerships
 - Assist Systems with Operator Certification
- ✓ Measure Improvements
- ✓ Identify Stakeholders



Prioritization Criteria

- **50 States - Compliance**
- **22 States - Questions / Indicator Problems**
- **18 States - Financial Information**

Measures of Improvement

- **37 States - Compliance**
- **20 States - Sanitary Survey Results**
- **18 States - Capacity Surveys / Self Assessments**

Identifying Stakeholders

- **45 States - Advisory Committees**

Impairments & Enhancements

✓ Impairments

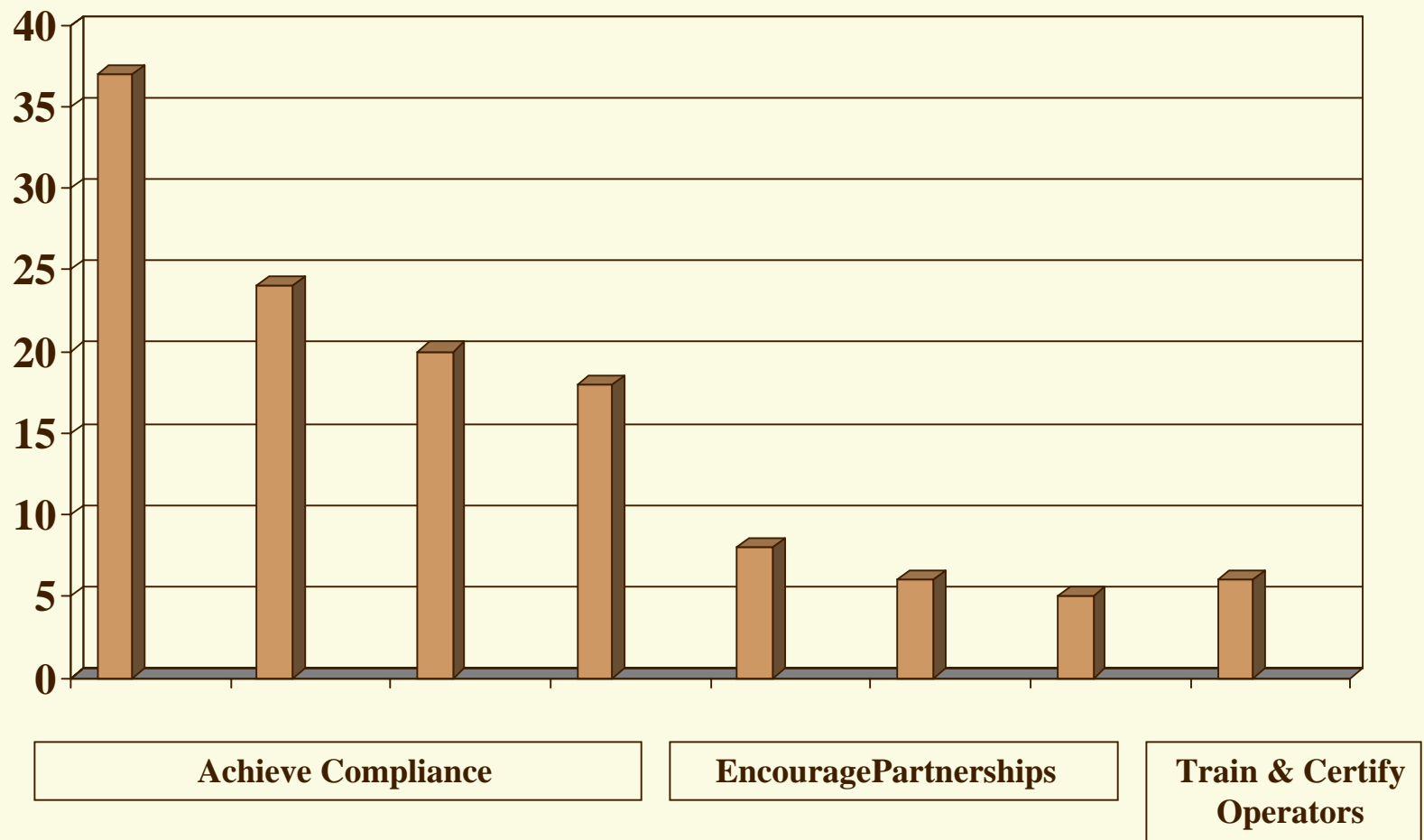
- 26 States (#1)
 - Inconsistencies among agencies

✓ Enhancements

- 25 States (#3)
 - Partnerships, cooperation, & networking among agencies and systems

Actions Planned By States as Part of Their Capacity Development Strategy

How States Will Use Resources & Authorities to Assist Systems...



Summary

✓ Next 3-5 Years are Critical

- Enhance System Capabilities
- Real Public Health Improvements
- Industry Restructuring
 - Market Forces
 - State Role